

Please type a plus sign (+) inside this box → +

PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Application Number 10/792,069	
				Filing Date March 3, 2004	
				First Named Inventor Hsu, et al.	
				Group Art Unit Unknown 1742	
				Examiner Name Unknown Leader	
				Attorney Docket Number AMAT/5614.D1/CMP/CMP/RKK	
Sheet 1		of 12		Submission Date June 14, 2004	

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
P E WL JUL 17 2004 U.S. PATENT & TRADEMARK OFFICE	A1	US-6,693,036	02/17/04	Nogami, et al.	
	A2	US-6,679,929	01/20/04	Asano, et al.	
	A3	US-6,679,928	01/20/04	Costas, et al.	
	A4	US-6,676,484	01/13/04	Chopra	
	A5	US-6,630,059	10/07/03	Uzoh, et al.	
	A6	US-6,620,215	09/16/03	Li, et al.	
	A7	US-6,616,976	09/09/03	Montano, et al	
	A8	US-6,605,537	08/12/03	Brian, et al.	
	A9	US-6,602,112	08/05/03	Tran, et al.	
	A10	US-6,596,638	07/22/03	Kondo, et al.	
	A11	US-6,593,239	07/15/03	Kaufman, et al.	
	A12	US-6,585,579	07/01/03	Jensen, et al.	
	A13	US-6,572,463	06/03/03	Xu, et al.	
	A14	US-6,569,004	05/27/03	Pham	
	A15	US-6,565,619	05/20/03	Asano, et al.	
	A16	US-6,562,719	05/13/03	Kondo, et al.	
	A17	US-6,561,889	05/13/03	Xu, et al.	
	WL	A18	US-6,555,158	04/29/03	Yoshio, et al.

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
WL	B1	WO 03/060962	07/24/03	Applied Materials, Inc.		
	B2	WO 02/064314	08/22/02	Speedfam-IPEC Corp.		
	B3	WO 02/075804	09/26/02	Applied Materials, Inc.		
	B4	WO 02/88229	11/07/02	Dow Global Tech., Inc.		
	B5	WO 02/23616	03/21/02	ACM Research, Inc.		

Examiner <u>W Leader</u>	Date Considered <u>3/28/2007</u>
--------------------------	----------------------------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * Applicant's unique citation designation number (optional). † See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ‡ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). § For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ¶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. • Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Please type a plus sign (+) inside this box →



PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 2

of 12

Application Number	10/792,069
Filing Date	March 3, 2004
First Named Inventor	Hsu, et al.
Group Art Unit	Unknown 1742
Examiner Name	Unknown Leader
Attorney Docket Number	AMAT/5614.D1/CMP/CMP/RKK
Submission Date	June 14, 2004

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
WL	A1	US-6,551,935	04/22/03	Sinha, et al.	
	A2	US-6,551,179	04/22/03	Halley	
	A3	US-6,520,843	02/18/03	Halley	
	A4	US-6,517,426	02/11/03	Lee	
	A5	US-6,508,952	01/21/03	Lee, et al.	
	A6	US-6,497,800	12/24/02	Talieh, et al.	
	A7	US-6,482,307	11/19/02	Ashjagee, et al.	
	A8	US-6,475,332	11/05/02	Boyd, et al.	
	A9	US-6,471,847	10/29/02	Talieh, et al.	
	A10	US-6,455,479	09/24/02	Sahbari	
	A11	US-6,454,819	09/24/02	Yano, et al.	
	A12	US-6,447,371	09/10/02	Brusic-Kaufman, et al.	
	A13	US-6,440,295	08/27/02	Wang	
	A14	US-6,440,186	08/27/02	Sakai, et al.	
	A15	US-6,429,133	08/06/02	Chopra	
	A16	US-6,428,721	08/06/02	Ina, et al.	
	A17	US-6,428,394	08/06/02	Mooring, et al.	
WL	A18	US-6,419,554	07/16/02	Chopra	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
WL	B1	WO 01/13416	02/22/01	Nutool, Inc.		
	B2	WO 01/49452	07/12/01	Advanced Micro Devices, Inc.		
	B3	WO 01/52307	07/19/01	Nutool, Inc.		
	B4	WO 01/63018	08/30/01	Nutool, Inc.		
WL	B5	WO 01/71066	09/27/01	Nutool, Inc.		

Examiner

W Leader

Date Considered

3/28/2007

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Please type a plus sign (+) inside this box →



PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 3

of 12

Application Number	10/792,069
Filing Date	March 3, 2004
First Named Inventor	Hsu, et al.
Group Art Unit	Unknown 1742
Examiner Name	Unknown Leader
Attorney Docket Number	AMAT/5614.D1/CMP/CMP/RKK
Submission Date	June 14, 2004

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
WL	A1	US-6,416,685	07/09/02	Zhang, et al.	
	A2	US-6,409,904	06/25/02	Uzoh, et al.	
	A3	US-6,406,363	06/18/02	Xu, et al.	
	A4	US-6,402,591	06/11/02	Thornton	
	A5	US-6,395,152	05/28/02	Wang	
	A6	US-6,391,166	05/21/02	Wang	
	A7	US-6,386,956	05/14/02	Sato	
	A8	US-6,381,169	04/30/02	Bocian, et al.	
	A9	US-6,375,693	04/23/02	Cote, et al.	
	A10	US-6,368,184	04/09/02	Beckage	
	A11	US-6,355,153	03/12/02	Uzoh, et al.	
	A12	US-6,355,075	03/12/02	Ina, et al.	
	A13	US-6,354,916	03/12/02	Uzoh, et al.	
	A14	US-6,348,076	02/19/02	Canaperi, et al.	
	A15	US-6,331,135	12/18/01	Sabde, et al.	
	A16	US-6,328,872	12/04/01	Newton, et al.	
WL	A17	US-6,328,335	12/11/01	Pant, et al.	
	A18	US-6,315,883	11/13/01	Mayer, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
WL	B1	WO 01/88954	11/22/01	Nutool, Inc.		
	B2	WO 00/77278	12/21/00	CVC Products, Inc.		
	B3	WO 00/59682	10/12/00	Nutool, Inc.		
	B4	WO 00/55876	02/03/00	Koninklijke Phillips Elec., N.V.		
WL	B5	WO 00/33356	06/08/00	ACM Research, Inc.		

Examiner W Leader

Date Considered 3/28/2007

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Please type a plus sign (+) inside this box → +

PTO/SB/08a (08-03)

Approved for use through 07/31/2008. OMB 0851-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 4

of 12

Application Number	10/792,069
Filing Date	March 3, 2004
First Named Inventor	Hsu, et al.
Group Art Unit	Unknown 1742
Examiner Name	Unknown Leader
Attorney Docket Number	AMAT/5614.D1/CMP/CMP/RKK
Submission Date	June 14, 2004

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
WL	A1	US-6,315,803	11/13/01	Ina, et al.	
	A2	US-6,310,019	10/30/01	Kakizawa, et al.	
	A3	US-6,303,551	10/16/01	Li, et al.	
	A4	US-6,303,049	10/16/01	Lee, et al.	
	A5	US-6,297,159	10/02/01	Paton	
	A6	US-6,276,996	08/21/01	Chopra	
	A7	US-6,273,798	08/14/01	Berman	
	A8	US-6,273,786	08/14/01	Chopra, et al.	
	A9	US-6,261,959	07/17/01	Travis, et al.	
	A10	US-6,261,168	07/17/01	Jensen, et al.	
	A11	US-6,258,721	07/10/01	Li, et al.	
	A12	US-6,258,711	07/10/01	Laursen	
	A13	US-6,251,235	06/26/01	Talieh, et al.	
	A14	US-6,248,222	06/19/01	Wang	
	A15	US-6,244,935	06/12/01	Birang, et al.	
	A16	US-6,238,592	05/29/01	Wang	
	A17	US-6,238,271	05/29/01	Cesna	
WL	A18	US-6,234,870	05/22/01	Uzoh, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Country Code ⁴ -Number ⁴ -Kind Code ⁵ (if known)				
WL	B1	WO 00/26443	05/11/00	Nutool, Inc.		
	B2	WO 00/03426	01/20/00	ACM Research, Inc.		
	B3	WO 99/41434	08/19/99	ACM Research, Inc.		
	B4	WO 99/46081	09/16/99	Strasbaugh		
WL	B5	WO 99/53119	10/21/99	ACM Research, Inc.		

Examiner W Leader

Date Considered 3/28/2007

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Please type a plus sign (+) inside this box →



PTO/SB/08a (08-03)

Approved for use through 07/31/2008. OMB 0851-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

5

of

12

Application Number

10/792,069

Filing Date

March 3, 2004

First Named Inventor

Hsu, et al.

Group Art Unit

Unknown 1742

Examiner Name

Unknown Leader

Attorney Docket Number

AMAT/5614.D1/CMP/CMP/RKK

Submission Date

June 14, 2004

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
WL	A1	US-6,218,305	04/17/01	Hosali, et al.	
	A2	US-6,217,416	04/17/01	Kaufman, et al.	
	A3	US-6,210,257	04/03/01	Carlson	
	A4	US-6,206,756	03/27/01	Chopra, et al.	
	A5	US-6,194,317	02/27/01	Kaisaki, et al.	
	A6	US-6,190,237	02/20/01	Huyng, et al.	
	A7	US-6,177,026	01/23/01	Wang, et al.	
	A8	US-6,176,992	01/23/01	Talieh	
	A9	US-6,171,467	01/09/01	Weihs, et al.	
	A10	US-6,171,352	01/09/01	Lee, et al.	
	A11	US-6,159,079	12/12/00	Zuniga, et al.	
	A12	US-6,156,124	12/05/00	Tobin	
	A13	US-6,153,043	11/28/00	Edelstein, et al.	
	A14	US-6,143,656	11/07/00	Yang, et al.	
	A15	US-6,143,155	11/07/00	Adams, et al.	
	A16	US-6,126,853	10/13/00	Kaufman, et al.	
	A17	US-6,117,853	09/12/00	Sakai, et al.	
WL	A18	US-6,117,783	09/12/00	Kondo, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Country Code ⁵ -Number ⁴ -Kind Code ⁶ (if known)				
WL	B1	WO 99/53532	10/21/99	Ferro Corporation		
	B2	WO 99/65072	12/16/99	Speedfam-IPEC Corp.		
	B3	WO 98/04646	02/05/98	EKC Technology, Inc.		
	B4	WO 98/49723	11/05/98	Minnesota Mining Co.		
WL	B5	JP 2001-77117	02/17/04	Sony Corp.		

Examiner

WL Leader

Date Considered

3/28/2007

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Please type a plus sign (+) inside this box → +

PTO/SB/08a (08-03)

Approved for use through 07/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 5

of 12

Application Number 10/792,069

Filing Date March 3, 2004

First Named Inventor Hsu, et al.

Group Art Unit Unknown 1742

Examiner Name Unknown Leader

Attorney Docket Number AMAT/5614.D1/CMP/CMP/RKK

Submission Date June 14, 2004

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
WL	A1	US-6,117,775	09/12/00	Kondo, et al.	
	A2	US-6,116,998	09/12/00	Damgaard, et al.	
	A3	US-6,106,728	09/12/00	Kondo, et al.	
	A4	US-6,103,096	08/15/00	Datta, et al.	
	A5	US-6,096,652	08/01/00	Watts, et al.	
	A6	US-6,090,239	07/18/00	Liu, et al.	
	A7	US-6,083,840	07/04/00	Mravic, et al.	
	A8	US-6,077,412	06/20/00	Ting, et al.	
	A9	US-6,066,030	05/23/00	Uzoh	
	A10	US-6,063,306	05/16/00	Kaufmann, et al.	
	A11	US-6,056,864	05/02/00	Cheung	
	A12	US-6,056,851	05/02/00	Hsieh, et al.	
	A13	US-6,033,293	03/07/00	Crevasse, et al.	
	A14	US-6,024,630	02/15/00	Shendon, et al.	
	A15	US-6,020,264	02/01/00	Lustig, et al.	
	A16	US-6,017,265	01/25/00	Cook, et al.	
	A17	US-6,010,964	01/04/00	Glass	
WL	A18	US-6,004,880	12/21/99	Liu, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
WL	B1	JP 11042554	02/16/99	NEC Corp		
	B2	SU 1618538	01/07/91	Rredmiyatle R Yia A		
	B3	EP 0 846 742	06/10/98	Cabot Corp.		
	B4	EP 0 811 665	12/10/97	Cabot Corp.		
WL	B5	EP 1 368 826	12/10/03	Applied Materials, Inc.		

Examiner W Leader

Date Considered 3/28/2007

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Please type a plus sign (+) inside this box → +

PTO/SB/08a (08-03)

Approved for use through 07/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

7

of

12

Application Number

10/792,069

Filing Date

March 3, 2004

First Named Inventor

Hsu, et al.

Group Art Unit

Unknown 1742

Examiner Name

Unknown Leader

Attorney Docket Number

AMAT/5614.D1/CMP/CMP/RKK

Submission Date

June 14, 2004

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
WL	A1	US-6,001,730	12/14/99	Farkas, et al.	
	A2	US-6,001,008	12/14/99	Fujimori, et al.	
	A3	US-5,954,997	09/21/99	Kaufman, et al.	
	A4	US-5,938,801	08/17/99	Robinson	
	A5	US-5,911,619	06/15/99	Uzoh, et al.	
	A6	US-5,897,375	04/27/99	Watts, et al.	
	A7	US-5,893,796	04/13/99	Birang, et al.	
	A8	US-5,886,031	03/23/99	Carprio, et al.	
	A9	US-5,880,003	03/09/99	Hayashi	
	A10	US-5,871,392	02/16/99	Meikle, et al.	
	A11	US-5,846,882	12/08/98	Birang	
	A12	US-5,846,862	12/08/98	May, et al.	
	A13	US-5,807,165	09/15/98	Uzoh, et al.	
	A14	US-5,804,507	09/08/98	Pertov, et al.	
	A15	US-5,783,489	07/21/98	Kaufman, et al.	
	A16	US-5,770,095	06/23/98	Sasaki, et al.	
	A17	US-5,624,300	04/29/97	Kishii, et al.	
WL	A18	US-5,578,362	11/26/96	Reinhardt, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁵
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
WL	B1	EP 0 325 753	08/02/89	IBM Corp.		
	B2	EP 1 170 761	01/09/02	Nippon Chemi-Con Corp.		
	B3	EP 0 455 455	11/06/91	AT&T Corp.		
	B4	EP 1 103 346	05/30/01	Applied Materials, Inc.		
WL	B5	EP 0 527 537	02/17/93	FMC Corp.		

Examiner

W Leader

Date Considered

3/28/2007

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Please type a plus sign (+) inside this box →



PTO/SB/08a (08-03)

Approved for use through 07/31/2008. OMB 0851-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 8

of 12

Application Number	10/792,069
Filing Date	March 3, 2004
First Named Inventor	Hsu, et al.
Group Art Unit	Unknown 1742
Examiner Name	Unknown Leader
Attorney Docket Number	AMAT/5614.D1/CMP/CMP/RKK
Submission Date	June 14, 2004

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
WL	A1	US-5,575,706	11/19/96	Tsal, et al.	
	A2	US-5,567,300	10/22/96	Datta, et al.	
	A3	US-5,567,200	10/22/96	Swartzendruber	
	A4	US-5,543,032	08/06/96	Datta, et al.	
	A5	US-5,534,106	07/09/96	Cote, et al.	
	A6	US-5,391,258	02/21/95	Brandacaleoni, et al.	
	A7	US-5,340,370	08/23/94	Cadien, et al.	
	A8	US-5,257,478	11/02/93	Hyde	
	A9	US-5,256,565	10/26/93	Bernhardt, et al.	
	A10	US-5,225,034	07/06/93	Yu, et al.	
	A11	US-5,217,588	06/08/93	Datta, et al.	
	A12	US-5,209,816	05/11/93	Yu, et al.	
	A13	US-5,136,817	08/11/92	Tabata, et al.	
	A14	US-5,129,981	07/14/92	Wang, et al.	
	A15	US-5,114,548	05/19/92	Rhoades	
	A16	US-5,096,550	03/17/92	Mayer, et al.	
	A17	US-5,032,238	07/16/91	Ishimura, et al.	
WL	A18	US-5,002,645	03/26/91	Eastland, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁵
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B1					
	B2					
	B3					
	B4					
	B5					

Examiner W Leader

Date Considered 3/28/2007

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * Applicant's unique citation designation number (optional). † See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ‡ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). § For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ¶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. † Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Please type a plus sign (+) inside this box → +

PTO/SB/08a (08-03)

Approved for use through 07/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 9

of 12

Application Number	10/792,069
Filing Date	March 3, 2004
First Named Inventor	Hsu, et al.
Group Art Unit	Unknown 1742
Examiner Name	Unknown Wheeler
Attorney Docket Number	AMAT/5614.D1/CMP/CMP/RKK
Submission Date	June 14, 2004

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
WL	A1	US-4,992,135	02/12/91	Doan	
	A2	US-4,954,141	09/04/90	Takiyama, et al.	
	A3	US-4,934,102	12/27/88	Kaunta, et al.	
	A4	US-4,839,005	06/13/89	Katsumoto, et al.	
	A5	US-4,793,895	12/27/88	Kaunta, et al.	
	A6	US-4,713,149	12/15/87	Hoshino	
	A7	US-4,666,683	05/19/87	Brown, et al.	
	A8	US-4,663,005	05/05/87	Edson	
	A9	US-4,263,113	04/21/81	Bernard	
	A10	US-4,125,444	11/14/78	Inoue	
	A11	US-3,873,512	03/25/75	Latanision	
	A12	US-3,448,023	06/03/69	Bell	
	A13	US-3,239,441	03/08/66	Marosi	
	A14	US-3,162,568	01/08/52	Emery	
	A15	US-2,582,020	01/08/52	Emery	
	A16	US-2003/0170091	09/11/03	Shomler, et al.	
	A17	US-2003/0153184	08/14/03	Wang, et al.	
WL	A18	US-2003/0136055	07/24/03	Li, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B1					
	B2					
	B3					
	B4					
	B5					

Examiner

Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Please type a plus sign (+) inside this box



PTO/SB/08a (08-03)

Approved for use through 07/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 10

of 12

Application Number 10/792,069

Filing Date March 3, 2004

First Named Inventor Hsu, et al.

Group Art Unit Unknown 1742

Examiner Name Unknown Leader

Attorney Docket Number AMAT/5614.D1/CMP/CMP/RKK

Submission Date June 14, 2004

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
WL	A1	US-2003/0119311	06/26/03	Basol, et al.	
	A2	US-2003/0116445	06/26/03	Sun, et al.	
	A3	US-2003/0114004	06/19/03	Sato, et al.	
	A4	US-2003/0113996	06/19/03	Nogami, et al.	
	A5	US-2003/0104762	06/05/03	Sato, et al.	
	A6	US-2003/0083215	05/01/03	Kakizawa, et al.	
	A7	US-2003/0079416	05/01/03	Ma, et al.,	
	A8	US-2003/0073386	04/17/03	Ma, et al.	
	A9	US-2002/0160698	10/31/02	Sato	
	A10	US-2002/0139055	10/03/02	Asano, et al.	
	A11	US-2002/0130634	09/19/02	Ziemkowski, et al.	
	A12	US-2002/0119286	08/29/02	Chen, et al.	
	A13	US-2002/0108861	08/15/02	Emesh, et al.	
	A14	US-2002/0096659	07/25/02	Sakai, et al.	
	A15	US-2002/0088715	07/11/02	Talieh, et al.	
	A16	US-2002/0088709	07/11/02	Hongo, et al.	
	A17	US-2002/0077037	06/20/02	Tietz	
WL	A18	US-2002/0074230	06/20/02	Sato, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B1					
	B2					
	B3					
	B4					
	B5					

Examiner W Leader

Date Considered 3/28/2007

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Please type a plus sign (+) inside this box



PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 11

of 12

Application Number 10/792,069

Filing Date March 3, 2004

First Named Inventor Hsu, et al.

Group Art Unit Unknown 1742

Examiner Name Unknown Leader

Attorney Docket Number AMAT/5614.D1/CMP/CMP/RKK

Submission Date June 14, 2004

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
WL	A1	US-2002/0072309	06/13/02	Sato, et al.	
	A2	US-2002/0070126	06/13/02	Sato, et al.	
	A3	US-2002/0040100	04/04/02	Kume, et al.	
	A4	US-2002/0020621	02/21/02	Uzoh, et al.	
	A5	US-2002/0011417	01/31/02	Talieh, et al.	
	A6	US-2002/0008036	01/24/02	Wang	
	A7	US-2001/0042690	11/21/01	Talieh, et al.	
	A8	US-2001/0040100	11/15/01	Wang	
	A9	US-2001/0036746	11/01/01	Sato, et al.	
	A10	US-2001/0035354	11/01/01	Ashjaee, et al.	
	A11	US-2001/0024878	09/27/01	Nakamura	
WL	A12	US-2001/0005667	06/28/01	Tolles, et al.	
	A13				
	A14				
	A15				
	A16				
	A17				
	A18				

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁵
		Country Code ³ -Number ⁴ -Kind Code ⁶ (if known)				
	B1					
	B2					
	B3					
	B4					
	B5					

Examiner WL Leader

Date Considered 3/28/2007

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Please type a plus sign (+) inside this box



PTO/SB/08b (08-03)

Approved for use through 06/30/2006. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/792,069		
		Filing Date	March 3, 2004		
		First Named Inventor	Hsu, et al.		
		Group Art Unit	Unknown 1742		
		Examiner Name	Unknown Leader		
		Attorney Docket Number	AMAT/5614.D1/CMP/CMP/RKK		
Sheet	12	of	12	Submission Date	June 14, 2004

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
WL	1	Annex to Form PCT/ISA/206, dated April 15, 2004, for PCT/US01/46449	
WL	2	Nogami, "An Innovation to Integrate Porous Low-K Materials and Copper," <u>InterConnect Japan 2001</u> , Honeywell Seminar (Dec. 6, 2001) pp. 1-12	
WL	3	Landolt, "Fundamental Aspects of Electropolishing," Mar. 18, 1996 pp. 1-11	
WL	4	Contolini, et al., "Electrochemical Planarization of ULSI Copper," <u>Solid State Technology</u> , June 1997, pp. 155-160	

Examiner WL Leader	Date Considered 3/28/2007
--------------------	---------------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Please type a plus sign (+) inside this box → +

PTO/SB/08a (08-03)

Approved for use through 07/31/2008. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1

of 2

Application Number	10/792,069
Filing Date	MARCH 3, 2004
First Named Inventor	HSU, ET AL.
Group Art Unit	2812 1742
Examiner Name	UNKNOWN <i>Leader</i>
Attorney Docket Number	AMAT/5614.D1/CMP/CMP/RKK
Submission Date	AUGUST 24, 2004

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
<i>WL</i>	A1	US-6,402,925	06/11/2002	TALIEH	
<i>WL</i>	A2	US-2003/0038038	02/27/2003	BASOL, ET AL.	
	A3	US-			
	A4	US-			
	A5	US-			
	A6	US-			
	A7	US-			
	A8	US-			
	A9	US-			
	A10	US-			
	A11	US-			
	A12	US-			
	A13	US-			
	A14	US-			
	A15	US-			
	A16	US-			
	A17	US-			
	A18	US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
<i>WL</i>	B1	WO 03/009361 A2	01/30/2003	NUTOOL, INC.		
	B2					
	B3					
	B4					
	B5					

Examiner *W Leader*

Date Considered *3/28/2007*

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

→ +

Approved for use through 06/30/2008. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
to a collection of information unless it displays a valid OMB control number.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449B/PTO SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Application Number 10/792,069
				Filing Date MARCH 3, 2004
				First Named Inventor HSU, ET AL.
				Group Art Unit 2812 1742
				Examiner Name UNKNOWN <i>leader</i>
				Attorney Docket Number AMAT/5614.D1/CMP/CMP/RKK
Sheet	2	of	2	Submission Date AUGUST 24, 2004

[illegible]

Examiner W. Header

Date Considered 3/29/2007

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2. 296922.1

Please type a plus sign (+) inside this box →



PTO/SB/08a (08-03)

Approved for use through 07/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Project of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1

of 2

Application Number	10/792,069
Filing Date	MARCH 3, 2004
First Named Inventor	HSU, ET AL.
Group Art Unit	2812 1742
Examiner Name	RENEE A. BERRY <i>Leader</i>
Attorney Docket Number	AMAT/5614.D1/PPC/CMP/RKK
Submission Date	FEBRUARY 4, 2005

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
<i>WL</i>	A1	US-6,723,219 B2	APRIL 20, 2004	COLLINS	
<i>WL</i>	A2	US-6,402,925 B2	JUNE 11, 2002	TALIEH	
<i>WL</i>	A3	US-6,066,030	MAY 23, 2000	UZOH	
<i>WL</i>	A4	2003/0029731 A1	FEBRUARY 13, 2003	ASHJAE, ET AL.	
	A5				
	A6				
	A7				
	A8				
	A9				
	A10				
	A11				
	A12				
	A13				

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
<i>WL</i>	B1	WO 01/32362 A1	MAY 10, 2001	ZHANG		
	B2	WO 01/13416 A1	FEBRUARY 22, 2001	UZOH, ET AL.		
	B3	WO 00/77278 A1	DECEMBER 21, 2000	MOSLEHI, ET AL.		
	B4	WO 00/59682	OCTOBER 12, 2000	TALIEH, ET AL.		
	B5	DE 4324330 A1	FEBRUARY 3, 1994	SCHNEIDER, ET AL.		X
<i>WL</i>	B6	JP 2001-77117	MARCH 23, 2001	TAKESHI, ET AL.		X

Examiner *W Leader*

Date Considered *3/28/2007*

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

338562_1



This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2. 296922_1**

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10792069
Filing Date	2004-03-03
First Named Inventor	WEI-YUNG HSU, ET AL.
Art Unit	1742
Examiner Name	WILLIAM T. LEADER
Attorney Docket Number	APPM/005614.D1/PPC/CMP

U.S. PATENTS[Remove](#)

Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
WL	1	6837983	B2	2005-01-04	DUBOUST, ET AL.	
WL	2	6811680	B2	2004-11-02	CHEN, ET AL.	
WL	3	6776693	B2	2004-08-17	DUBOUST, ET AL.	

If you wish to add additional U.S. Patent citation information please click the Add button.

[Add](#)**U.S. PATENT APPLICATION PUBLICATIONS**[Remove](#)

Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button.

[Add](#)**FOREIGN PATENT DOCUMENTS**[Remove](#)

Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ² j	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵
	1							<input type="checkbox"/>

W leader

3/28/2007

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10792069
Filing Date	2004-03-03
First Named Inventor	WEI-YUNG HSU, ET AL.
Art Unit	1742
Examiner Name	WILLIAM T. LEADER
Attorney Docket Number	APPM/005614.D1/PPC/CMP

If you wish to add additional Foreign Patent Document citation information please click the Add button

Add

NON-PATENT LITERATURE DOCUMENTS

Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
	1		<input type="checkbox"/>

If you wish to add additional non-patent literature document citation information please click the Add button

Add

EXAMINER SIGNATURE

Examiner Signature	WLeader	Date Considered	3/28/2007
--------------------	---------	-----------------	-----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.